

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,101,984 B2  
APPLICATION NO. : 10/033167  
DATED : September 5, 2006  
INVENTOR(S) : Goddard et al.

Page 1 of 10

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page item [75] Col. 1 (Inventors), Lines 1-6, Delete “David Botstein, Belmont, CA (US); Luc Desnoyers, San Francisco, CA (US); Napoleone Ferrara, San Francisco, CA (US); Sherman Fong, Alameda, CA (US); Wei-Qiang Gao, Foster City, CA (US);”.

Title Page Col. 1 (Inventors), Line 9, Delete “James Pan, Belmont, CA (US);”.

Title Page Col. 1 (Inventors), Lines 11-14, Delete “Timothy A. Stewart, San Francisco, CA (US); Daniel Tumas, Orinda, CA (US); Colin K. Watanabe, Moraga, CA (US);”.

Title Page Col. 2 (Other Publications), Line 4, Delete “Aldimaru” and insert -- Akimaru --, therefor.

Title Page Col. 2 (Other Publications), Line 5, Delete “cubilus” and insert -- cubitus --, therefor.

Title Page Col. 2 (Other Publications), Line 8, Delete “pulative” and insert -- putative --, therefor.

Title Page Col. 2 (Other Publications), Line 12, Delete “cubilus” and insert -- cubitus --, therefor.

Title Page Col. 2 (Other Publications), Line 16, Delete “Intestine” and insert -- intestine --, therefor.

Title Page Col. 2 (Other Publications), Line 21, Delete “Bigood” and insert -- Bitgood --, therefor.

Page 2 Col. 1 (Other Publications), Line 11, Delete “Echeland” and insert -- Echelard --, therefor.

Page 2 Col. 1 (Other Publications), Line 16, Delete “747-758.” and insert -- 747-756. --, therefor.

Page 2 Col. 1 (Other Publications), Line 19, Delete “sciarolome” and insert -- sclerotome --, therefor.

Page 2 Col. 1 (Other Publications), Line 20, Delete “79:1176” and insert -- 79:1175 --, therefor.

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Page 2 Col. 1 (Other Publications), Line 24, Delete “Greü” and insert -- Grau --, therefor.

Page 2 Col. 1 (Other Publications), Line 39, Delete “492-496.” and insert -- 492-498. --, therefor.

Page 2 Col. 1 (Other Publications), Line 40, Delete “(1996)” and insert -- (1998) --, therefor.

Page 2 Col. 1 (Other Publications), Line 51, Delete “7106-7113.” and insert -- 7108-7113. --, therefor.

Page 2 Col. 1 (Other Publications), Line 59, Delete “Fgl-4” and insert -- Fgf-4 --, therefor.

Page 2 Col. 2 (Other Publications), Line 4, Delete “Mango” and insert -- Marigo --, therefor.

Page 2 Col. 2 (Other Publications), Line 5, After “Nature.” delete “364:” and insert -- 384: --, therefor.

Page 2 Col. 2 (Other Publications), Line 16, Delete “cubilus-interruptus” and insert -- cubitus interruptus --, therefor.

Page 2 Col. 2 (Other Publications), Line 20, Delete “617-620.” and insert -- 517-520. --, therefor.

Page 2 Col. 2 (Other Publications), Line 23, Delete “587-596.” and insert -- 587-598. --, therefor.

Page 2 Col. 2 (Other Publications), Line 31, After “in” insert -- a --.

Page 2 Col. 2 (Other Publications), Line 41, Delete “kinasin-related” and insert -- kinesin-related --, therefor.

Page 2 Col. 2 (Other Publications), Line 53, Delete “364:” and insert -- 384: --, therefor.

Page 2 Col. 2 (Other Publications), Line 59, Delete “4224-4226.” and insert -- 4224-4228. --, therefor.

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Page 2 Col. 2 (Other Publications), Line 60, Delete “Undan” and insert  
-- Unden --, therefor.

Page 3 Col. 1 (Other Publications), Line 1, Delete “Hauvel” and insert  
-- Heuvel --, therefor.

Page 3 Col. 1 (Other Publications), Line 4, Delete “germ-like” and insert  
-- germ-line --, therefor.

Page 3 Col. 1 (Other Publications), Line 5, Delete “novoid” and insert  
-- nevoid --, therefor.

Page 3 Col. 1 (Other Publications), Line 8, Delete “80:21-26.” and insert  
-- 60:21-26. --, therefor.

Page 3 Col. 1 (Other Publications), Line 11, Delete “(349,801 seqs, 86,” and  
insert -- (349, 801 seqs, 66, --, therefor.

Page 3 Col. 1 (Other Publications), Line 12, Delete “548.22),” and insert  
-- 548 aa), --, therefor.

Page 3 Col. 1 (Other Publications), Line 12, Delete “16:12.49” and insert  
-- 16:12:49 --, therefor.

Page 3 Col. 1 (Other Publications), Line 15, Delete “376. 376.” and insert  
-- 376, --, therefor.

Page 3 Col. 1 (Other Publications), Line 22, After “contain” delete “at” and  
insert -- a --, therefor.

Page 3 Col. 1 (Other Publications), Lines 22-23, Delete “dionoyl-CoA” and  
insert -- dienoyl-CoA --, therefor.

Page 3 Col. 1 (Other Publications), Line 57, Delete “Soares<sub>13</sub> fetal” and insert  
-- Soares\_fetal --, therefor.

Page 3 Col. 2 (Other Publications), Line 3, Delete “cline” and insert -- clone --,  
therefor.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Page 3 Col. 2 (Other Publications), Line 13, Delete “element;,” and insert -- element; --, therefor.

Page 3 Col. 2 (Other Publications), Line 16, Delete “meningoma” and insert -- meningioma --, therefor.

Page 3 Col. 2 (Other Publications), Line 17, Delete “3 similar” and insert -- 3’ similar --, therefor.

Page 3 Col. 2 (Other Publications), Line 18, Delete “element;,” and insert -- element; --, therefor.

Page 3 Col. 2 (Other Publications), Line 22, Delete “3, mRNA” and insert -- 3’, mRNA --, therefor.

Page 3 Col. 2 (Other Publications), Lines 51-52, Delete “immunohistorchemical” and insert -- immunohistochemical --, therefor.

Page 4 Col. 1 (Other Publications), Line 12, Delete “1988,” and insert -- 1998, --, therefor.

Page 4 Col. 1 (Other Publications), Line 12, After “assay” delete “of” and insert -- or --, therefor.

Page 4 Col. 1 (Other Publications), Line 13, Delete “archie?” and insert -- archive? --, therefor.

Page 4 Col. 1 (Other Publications), Line 18, After “413-417” insert -- . --.

Page 4 Col. 1 (Other Publications), Line 26, Delete “metastatsis” and insert -- metastasis --, therefor.

Page 4 Col. 1 (Other Publications), Line 27, Delete “Metastatsis” and insert -- Metastasis --, therefor.

Page 4 Col. 1 (Other Publications), Line 31, Delete “Myelogeneous” and insert -- Myelogenous --, therefor.

Page 4 Col. 1 (Other Publications), Line 37, Delete “Transaction,” and insert -- Transcription, --, therefor.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Page 4 Col. 1 (Other Publications), Line 39, Delete “Fluerescen” and insert -- Fluorescein --, therefor.

Page 4 Col. 1 (Other Publications), Line 41, Delete “detectin” and insert -- detection --, therefor.

Page 4 Col. 2 (Other Publications), Line 22, Delete “Pollock,” and insert -- Pollack, --, therefor.

Page 4 Col. 2 (Other Publications), Line 28, Delete “Pharmaceogenetics,” and insert -- Pharmacogenetics, --, therefor.

Page 4 Col. 2 (Other Publications), Line 30, Delete “c-erb-B-2” and insert -- c-erbB-2 --, therefor.

Col. 1, Line 30, Delete “differentiationfactors,” and insert -- differentiation factors, --, therefor.

Col. 2, Line 51, Delete “et al.” and insert -- et al., --, therefor.

Col. 5, Line 27, Delete “net,” and insert -- nel, --, therefor.

Col. 5, Line 29, Delete “net” and insert -- nel --, therefor.

Col. 8, Line 55, Delete “prefereably” and insert -- preferably --, therefor.

Col. 10, Line 61, Delete “prefereably” and insert -- preferably --, therefor.

Col. 13, Line 37, After “(SEQ ID NO:9)” insert -- . --.

Col. 15, Line 15, Delete “prefereably” and insert -- preferably --, therefor.

Col. 17, Line 25, Delete “prefereably” and insert -- preferably --, therefor.

Col. 21, Line 30, Delete “elated” and insert -- related --, therefor.

Col. 22, Line 49, Delete “graft-verus” and insert -- graft-virus --, therefor.

Col. 24, Line 25, Delete “prefereably” and insert -- preferably --, therefor.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 30, Line 23, After “carrier” insert -- . --.

Col. 35, Line 15, Delete “SEQ ID NO:16” and insert -- SEQ ID NO:15 --, therefor.

Col. 35, Line 21, Delete “SEQ ID NO:18” and insert -- SEQ ID NO:17 --, therefor.

Col. 36, Line 34, Delete “comtemplated” and insert -- contemplated --, therefor.

Col. 38, Line 27, After “2 and 3” delete “5”.

Col. 41, Line 11, Delete “460480” and insert -- 460-480 --, therefor.

Col. 45, Line 29, Delete “μIntermittent” and insert -- “Intermittent” --, therefor.

Col. 47, Line 22 (Table 1), Delete “-3 ,” and insert -- -3, --, therefor.

Col. 47, Line 22 (Table 1), After “-2}” insert -- , --.

Col. 57, Line 34 (Table 1- continued), After “siz1--” insert -- ; --.

Col. 57, Line 41 (Table 1- continued), Delete “if (n1++)” and insert -- if (n1++ --, therefor.

Col. 57, Line 42 (Table 1- continued), Delete “n[i1++];” and insert -- n[i1++]; --, therefor.

Col. 57, Line 63 (Table 1- continued), Delete ““% s”,” and insert -- “%s”, --, therefor.

Col. 59, Line 26 (Table 1- continued), Delete “< 2++)” and insert -- < 2; i++) --, therefor.

Col. 61, Line 46 (Table 1- continued), Delete “== ‘-’);” and insert -- == ‘-’) --, therefor.

Col. 63, Line 23 (Table 1- continued), Delete “\*(p0[0])” and insert -- \*(po[0]) --, therefor.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 67, Line 32 (Table 1- continued), Delete “n[i1]” and insert -- n[i1] --, therefor.

Col. 67, Line 36 (Table 1- continued), Delete “x[i1]” and insert -- x[i1] --, therefor.

Col. 67, Line 41 (Table 1- continued), Delete “il++;” and insert -- i1 ++; --, therefor.

Col. 69, Line 12 (Table 1- continued), Delete ““w”)” and insert -- “w’)) --, therefor.

Col. 71, Line 14, After “Polypeptides” delete “Using” and insert the same on line 15 before “WU-BLAST2”.

Col. 72, Line 63, Delete “Gin” and insert -- Gln --, therefor.

Col. 73, Line 17, Delete “functionor” and insert -- function or --, therefor.

Col. 73, Lines 34-36, Delete “Such substituted.....sites.” and insert the same on line 33 as a continuation of paragraph.

Col. 74, Line 18, Delete “Properties.” and insert -- Properties, --, therefor.

Col. 75, Line 30, Delete “USA.” and insert -- USA, --, therefor.

Col. 77, Line 24, Delete “K5772” and insert -- K5 772 --, therefor.

Col. 77, Line 43, Delete “tona” and insert -- tonA --, therefor.

Col. 78, Line 8, Delete “Tilbum” and insert -- Tilburn --, therefor.

Col. 79, Line 55, After “Reg.” insert -- , --.

Col. 81, Line 24, After “Enzymology” insert -- , --.

Col. 85, Line 16, Delete “-4429-4432” and insert -- 4429-4432 --, therefor.

Col. 88, Line 42, After “Immun.” insert -- , --.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- Col. 89, Line 62, Delete “469471” and insert -- 469-471 --, therefor.
- Col. 91, Line 23, After “Biochem.” insert -- , --.
- Col. 91, Line 54, After “supra” insert -- ] --.
- Col. 93, Line 13, After “Immunol. 13” insert -- , --.
- Col. 95, Line 7, After “infection” insert -- [ --.
- Col. 95, Line 8, Delete “EP 030891.” and insert -- EP 030891]. --, therefor.
- Col. 95, Line 33, Delete “Design.” and insert -- Design, --, therefor.
- Col. 95, Line 42, Delete “generationof” and insert -- generation of --, therefor.
- Col. 96, Line 18, Delete “Natl” and insert -- Natl. --, therefor.
- Col. 96, Line 33, Delete “Inst.” and insert -- Inst., --, therefor.
- Col. 97, Line 15, Delete “y” and insert --  $\gamma$  --, therefor.
- Col. 99, Line 41, Delete “dehydrogenase” and insert -- dehydrogenase --, therefor.
- Col. 101, Line 29, Delete “perfoemed” and insert -- performed --, therefor.
- Col. 102, Line 27, Delete “Example I” and insert -- Example 1 --, therefor.
- Col. 102, Line 44, After “sequence” insert -- : --.
- Col. 103, Line 8, Delete “Dec” and insert -- Dec. --, therefor.
- Col. 104, Line 47, Delete “Example I” and insert -- Example 1 --, therefor.
- Col. 104, Line 64, After “sequence” insert -- : --.
- Col. 105, Line 44, Delete “460480” and insert -- 460-480 --, therefor.



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Col. 106, Line 44, Delete "a the" and insert -- the --, therefor.

Col. 107, Line 5, Delete "481484," and insert -- 481-484, --, therefor.

Col. 108, Line 37, Delete "no 3327089," and insert  
-- no. 3327089, --, therefor.

Col. 108, Lines 59-60, Delete "IBDVORF\_2." and insert -- IBDVORF\_2, --,  
therefor.

Col. 109, Line 35, Delete "465469;" and insert -- 465-469; --, therefor.

Col. 109, Line 64, Delete "Insitutes" and insert -- Institutes --, therefor.

Col. 111, Line 10, Delete "positve," and insert -- positive, --, therefor.

Col. 115, Line 5, Delete "ddH2O" and insert -- ddH<sub>2</sub>O --, therefor.

Col. 116, Line 59, Delete "Taqman™" and insert -- TaqMan™ --, therefor.

Col. 118, Line 59, Delete "cuture" and insert -- culture --, therefor.

Col. 119, Line 55, Delete "RPM11640." and insert -- RPMI1640. --, therefor.

Col. 119, Line 59, Delete "cuture" and insert -- culture --, therefor.

Col. 121, Line 4, Delete "100 µl ." and insert -- 100 µl. --, therefor.

Col. 122, Line 12, Delete "Gene 2.95" and insert -- Gene, 2:95 --, therefor.

Col. 122, Line 51, Delete "Ion" and insert -- lon --, therefor.

Col. 122, Line 53, Delete "O.D.600of" and insert -- O.D.600 of --, therefor.

Col. 122, Line 56, Delete "citrate.2H2O," and insert -- citrate•2H<sub>2</sub>O, --,  
therefor.

Col. 125, Line 16, Delete "(1996)," and insert -- (1996)), --, therefor.

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Col. 125, Line 44, Delete "3 L" and insert -- 3L --, therefor.

Col. 125, Line 46, Delete "ie" and insert -- is --, therefor.

Col. 126, Line 53, Delete "Baculovirus-infected" and insert  
-- Baculovirus-Infected --, therefor.

Col. 129, Line 38, Delete "(I)" and insert -- (i) --, therefor.

Col. 130, Line 32, Delete "Biochemistry." and insert  
-- Biochemistry, --, therefor.

Col. 185, Line 2, In Claim 1, after "acid" insert -- molecule --.

Col. 186, Line 1, In Claim 2, after "acid" insert -- molecule --.

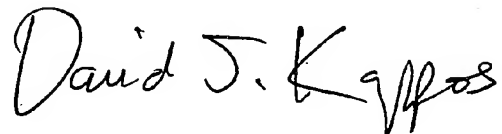
Col. 186, Line 4, In Claim 3, after "acid" insert -- molecule --.

Col. 186, Line 6, In Claim 4, after "acid" insert -- molecule --.

Col. 186, Line 8, In Claim 5, after "acid" insert -- molecule --.

Signed and Sealed this

First Day of December, 2009

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large initial "D".

David J. Kappos  
*Director of the United States Patent and Trademark Office*